where X is H, –COOH, -OSO$_3$H, or (CH$_2$)qSO$_3$H where q is 0 or 1, and R represents (Y)$_m$ where Y is an amide linked amino acid residue and m is 1-3, Z' and Z are the same or different and represent hydroxyl or alkoxy, or Z' and Z together form an acetonide group, and wherein free NH$_2$ groups in the compound of the formula I are capped with a cap monomer.

19. A combinatorial library as claimed in claim 18 wherein X is H, –COOH, -OSO$_3$H, or (CH$_2$)qSO$_3$H where q is 0 or 1, Z and Z' are both hydroxyl or together form an acetonide group, R represents –NHCOR$^1$, wherein R$^1$ represents
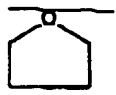
(a) –C(CH$_3$)(NH$_2$)CH$_2$--R$^2$, wherein R$^2$ is alkoxy; or

(b) –CHR$^3$R$^4$ wherein R$^3$ is hydrogen or –NH$_2$, and R$^4$ is  -R$^5$ wherein R$^5$ is

halogen, alkyl, or alkoxy,  , -CH$_2$N(CH$_3$)CH$_2$CH$_2$R$^6$ or –N(CH$_3$)CH$_2$CH$_2$R$^6$
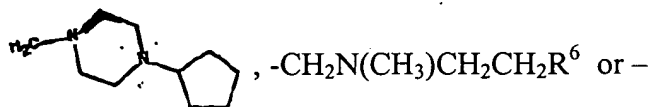
wherein R$^6$ is halogen,

-CH$_2$N(CH$_3$)CO-  , -CH$_2$N(C$_2$H$_5$)CH$_2$CH(CH$_3$)OH, or – CH$_2$NHCOCH(CH$_3$)$_2$, or

R$^4$ represents (CH$_2$)$_n$R$^8$ wherein n = 0 to 5, R$^8$ is halogen,  . -R$^9$ wherein R$^9$ is

alkoxy,  ,  ,  ,  ,
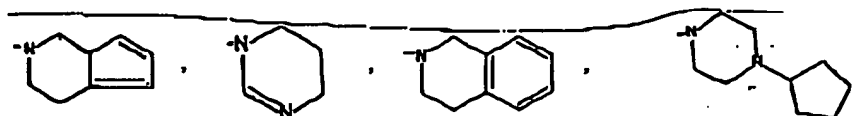
-N(CH$_3$)CH$_2$CH$_2$R$^{10}$ wherein R$^{10}$ is halogen, -N(C$_2$H$_5$)CH$_2$CH(CH$_3$)OH, or – NHCOCH(CH$_3$)$_2$ and wherein free amino groups are protected with a cap monomer.

20. A combinatorial library as claimed in claim 18 wherein X is –COOH, and R represents –NHCOR$^1$ wherein R$^1$ represents –CHR$^3$R$^4$ wherein R$^3$ is hydrogen, and R$^4$ is (CH$_2$)$_n$R$^8$

wherein n = 0 to 5, preferably 1 to 4, R$^8$ is halogen,  -R$^9$ wherein R$^9$ is alkoxy, halogen, or alkyl,
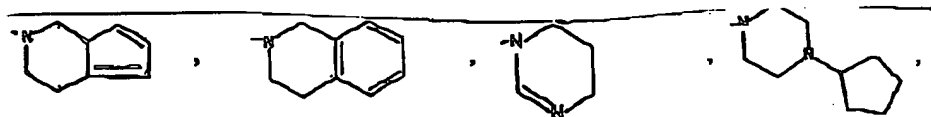


or -N(CH$_3$)CH$_2$CH$_2$R$^{10}$ wherein R$^{10}$ is halogen, -N(C$_2$H$_5$)CH$_2$CH(CH$_3$)OH, or – NHCOCH(CH$_3$)$_2$.

21. A combinatorial library as claimed in claim 18 wherein , X is –COOH, and R represents –NHCOR$^1$ wherein R$^1$ represents –CHR$^3$R$^4$ wherein R$^3$ represents –NH$_2$, and R$^4$
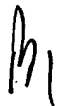
is  -R$^5$ wherein R$^5$ is halogen, alkyl or alkoxy, 
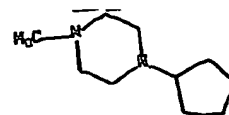
-CH$_2$N(CH$_3$)CH$_2$CH$_2$R$^6$ wherein R$^6$ is halogen, -CH$_2$N(C$_2$H$_5$)CH$_2$CH(CH$_3$)OH, – CH$_2$NHCOCH(CH$_3$)$_2$

or -CH$_2$N(CH$_3$)CO- 

22. A combinatorial library as claimed in claim 18 wherein X is -$OSO_3H$, or $(CH_2)_qSO_3H$ where q is 0 or 1, R represents –$NHCOR^1$ wherein $R^1$ represents –$CHR^3R^4$ wherein $R^3$ represents –$NH_2$, and $R^4$ is

$\langle\!\!\!\bigcirc\!\!\!\rangle$`-$R^5$ wherein $R^5$ is halogen, alkyl, or alkoxy, -$CH_2N(C_2H_5)CH_2CH(CH_3)OH$, or

–$CH_2NHCOCH(CH_3)_2$.